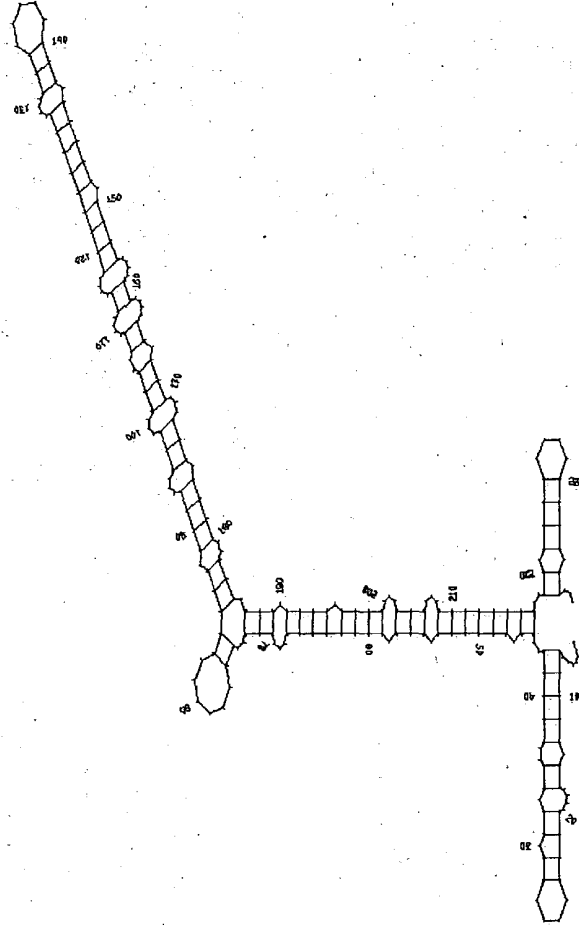


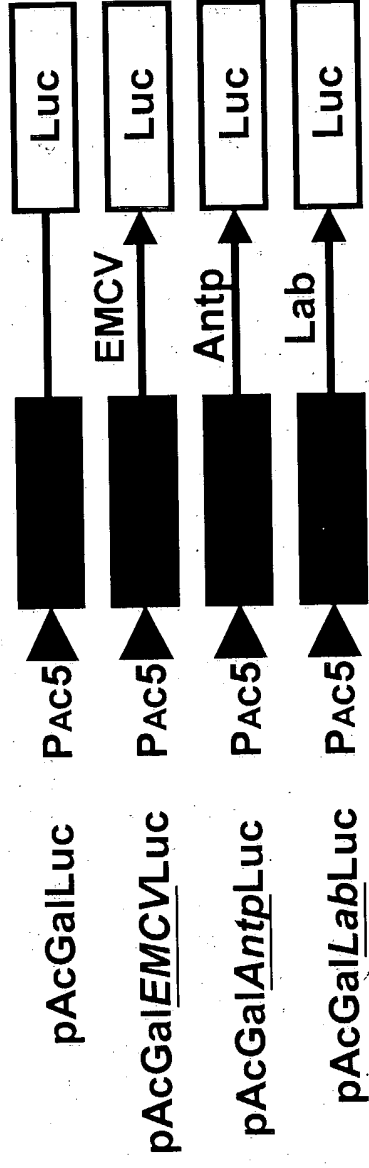
1A. Lab 5'UTR

```
1  atcagtcacg acttggtgag cgcgcaggca gcacgtcgtc gtcgtcatcg  
51  ccaacgggag tcgtgttttt cggttcgata cagataaaac ccacgtcgat  
101 agccctcgac cgtcgcgtaa tattcttaga aagcaaacag ctaaagaact  
151 atttcaagaa ctgtgtggca agtgaagggt agttagtgat acaccgggta  
201 tatcggagtg gcgagaaaagt gtggttcogg ctggacaat
```

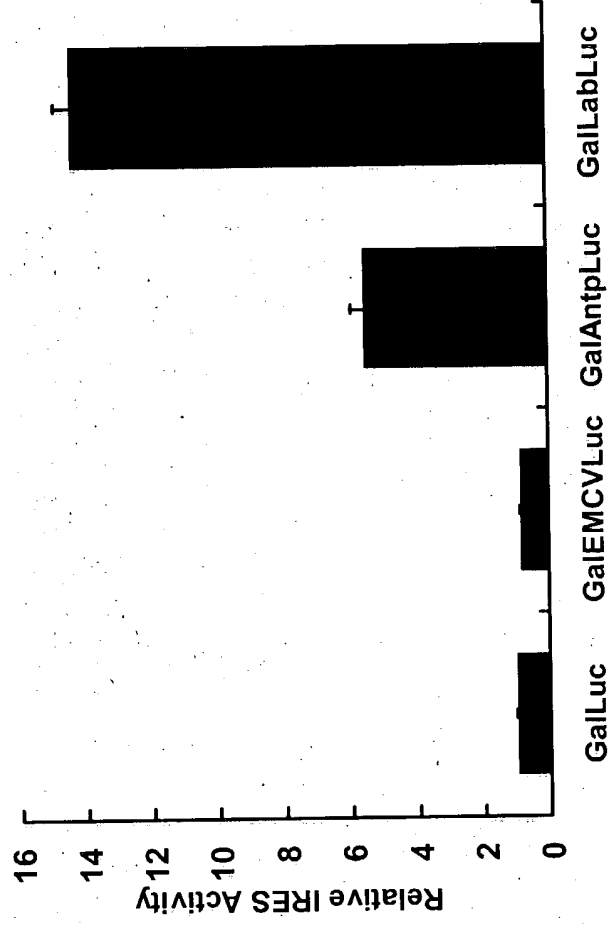
1B. Secondary Structure (Y-shape)



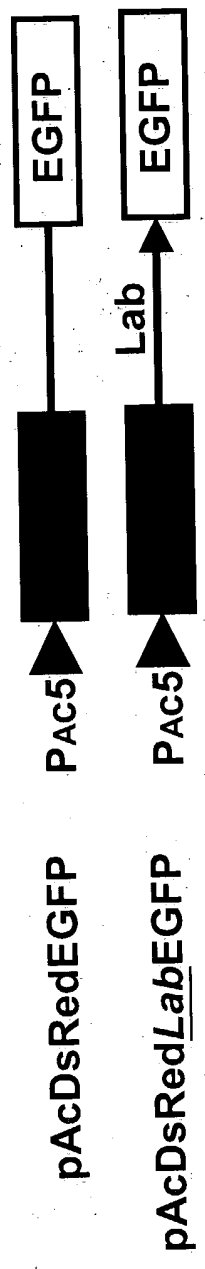
2A



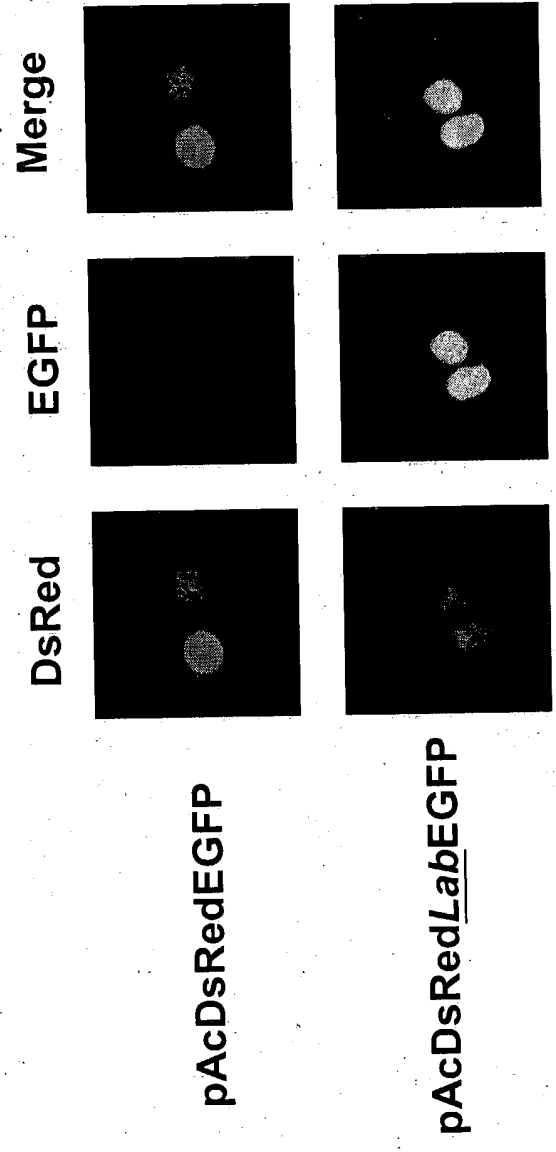
2B



2C

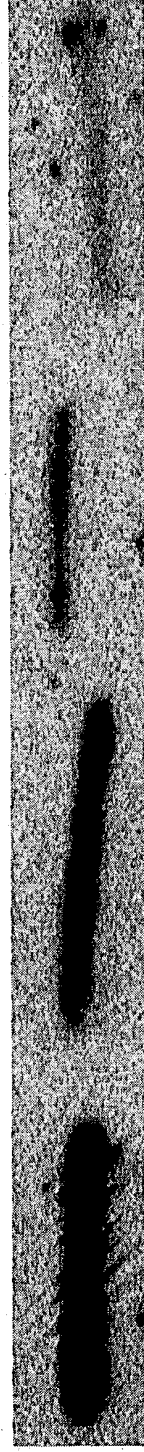


2D

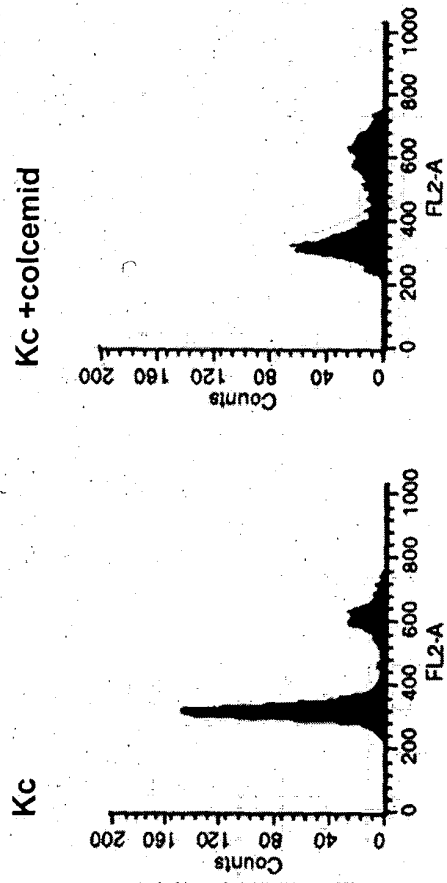


2E

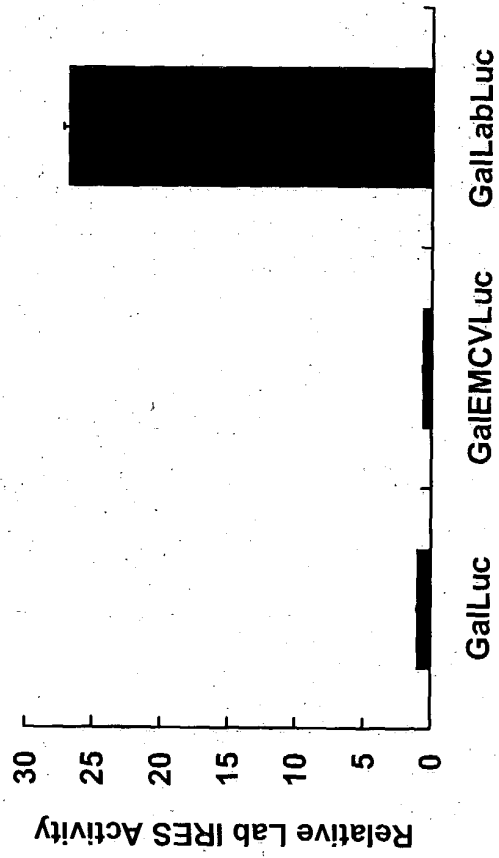
pAcGalLuc pAcGalEMCVLuc pAcGalAntpLuc pAcGalLabLuc



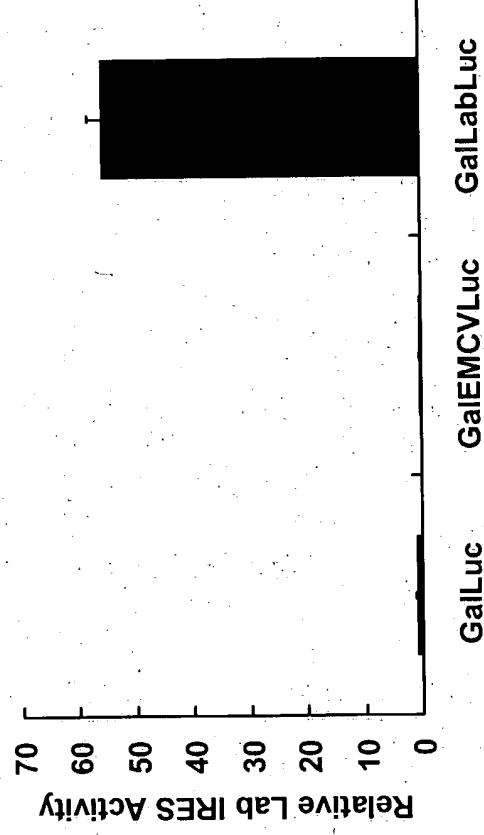
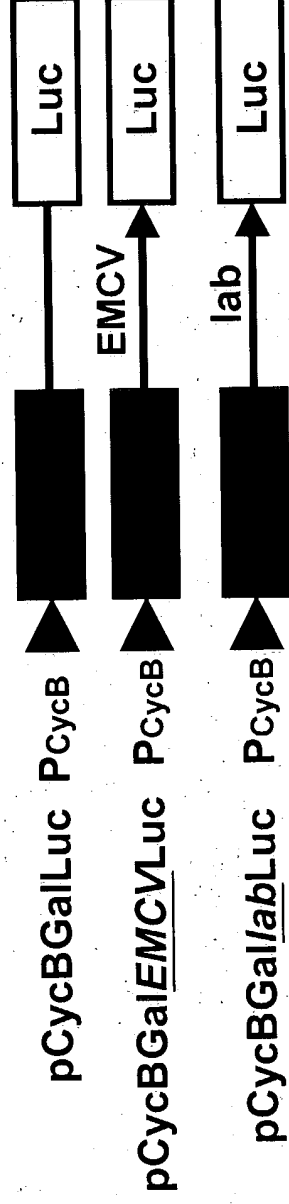
2F

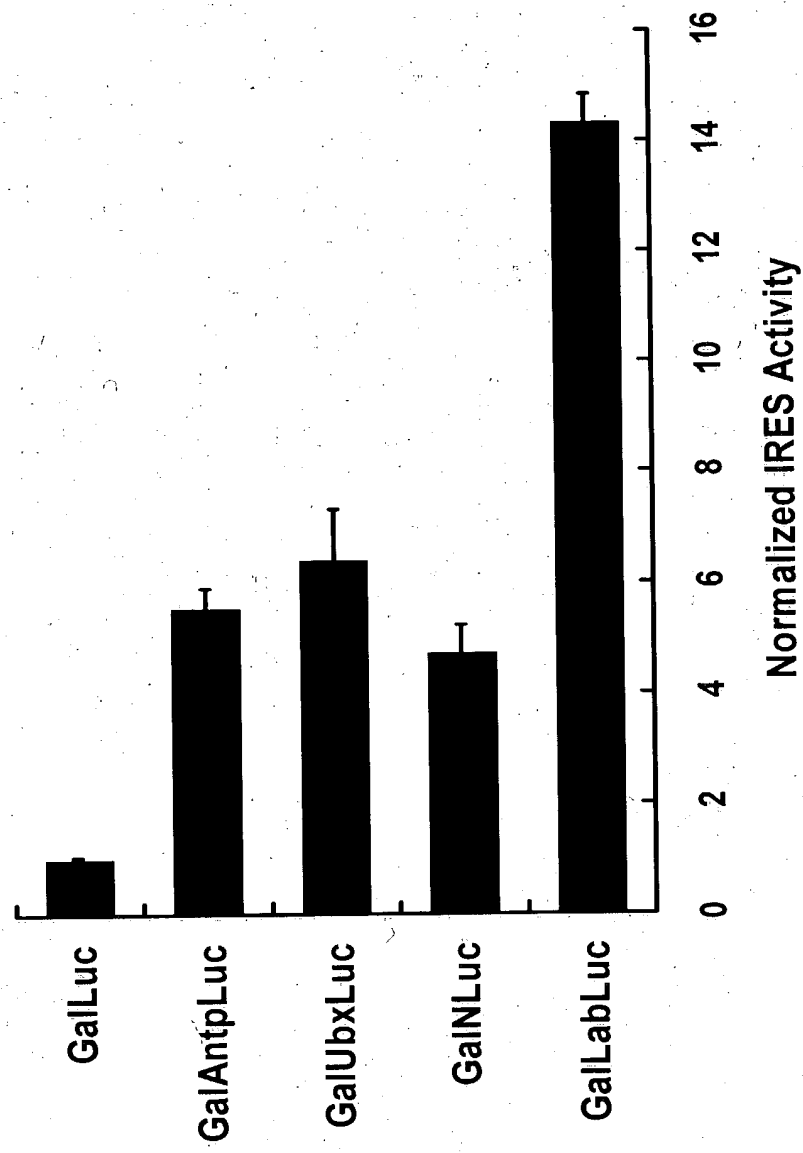


2G



2H

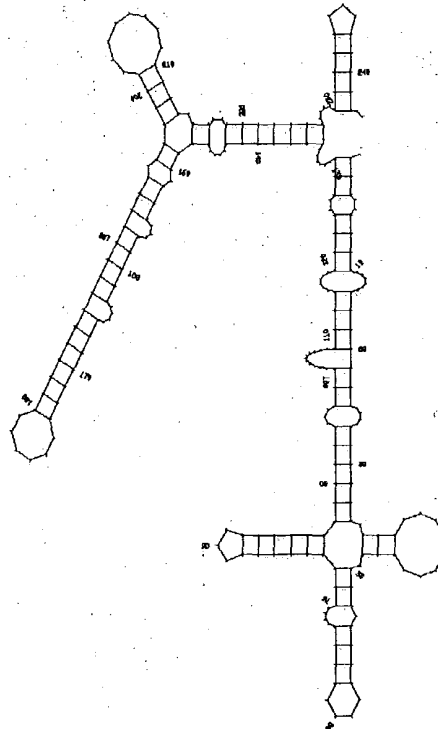




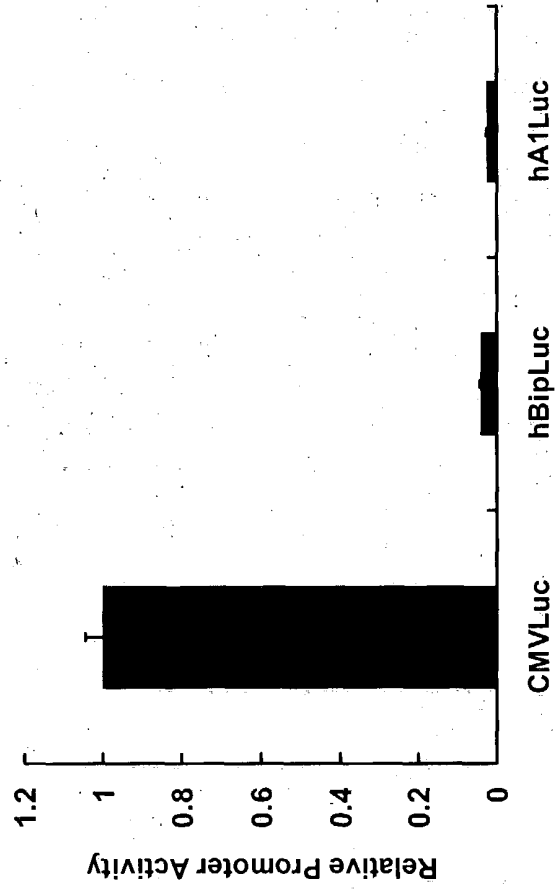
4A. Homeobox A1 5'UTR

Lab 5'UTR	ATCACTCAACGACTGGCT-----AAGCCGCGAGGACGACGTCCTC-CTCGTCAT-CG
A1 5'UTR	AGCCCGCGGATTAATGCCACTAAACGGTCTCCATCACTCGGAAGCCGCGCAAGT
Consensus	A-CA-t-a-GACTTg-----AAGCG--A--CA-CAC--CG--GtCG-CA--C-
Lab 5'UTR	CCACGGGAGTCGTCTTTTCGGTTCGATACACATAA--CCGAGTCGATAGCCCTCG
A1 5'UTR	TTTTCAGGAGCTCACTGATGGCT-GACACCTCACTGCTCCCTCTCCAGCGTCTCC
Consensus	cc-aCGGAG-C-tg--tt-TGGGTI-GATAC-G-tA-a---CCC-C-TC-A--GCCCC-
Lab 5'UTR	ACCGTCGCGTAATAT-TCTTAGAAGCAACAGCTAAGACCTATT-----TCAAGAACTG
A1 5'UTR	GGCTTCGCGCCCGCCCTCCTGTCGCACTGTCATTCATTTCTTCTTCTTCCGCGCCCA
Consensus	aCC-TC-CGT--t-t-TCTTa-a-A-ca-ACA-cta-A--ACT-TT---TC-ag--Ctg
Lab 5'UTR	TGTCGCAAGTGA-AGGCTACTAGTGCATACACCGGTATATCCGAGTGGCGAAGAGTGT
A1 5'UTR	TCGACGAAGTGAGAAAGTGGCACAGTCAACCGCGGT--TCGCAG-GACCAG-----GT
Consensus	TG-SG-AAGTGA-AGgGT-G-tA--G-tACACCGG-t---TCG-AG-GgC-AG-----GT
Lab 5'UTR	GGTTCGCGCTGGACAA
A1 5'UTR	CACGCACT--GACAG
Consensus	-GTTC-G----GACAA

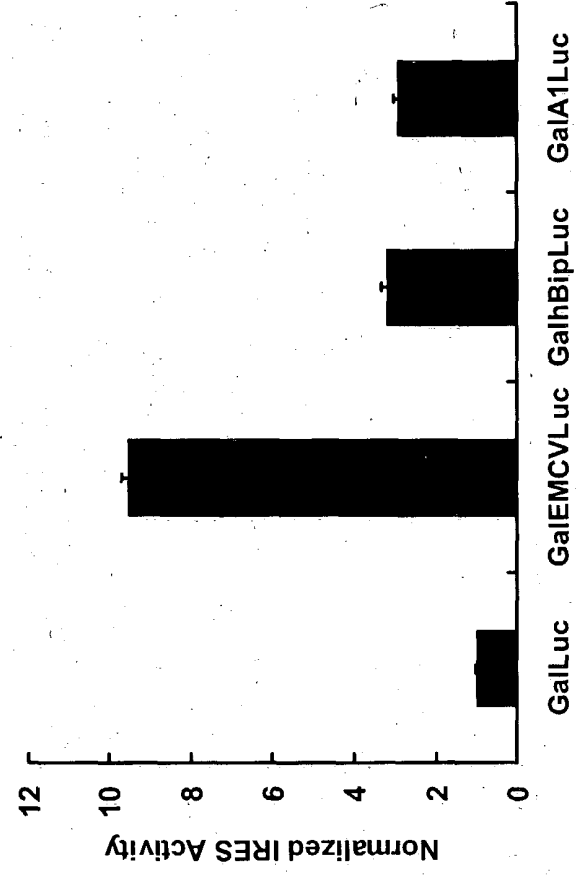
4B. Secondary Structure



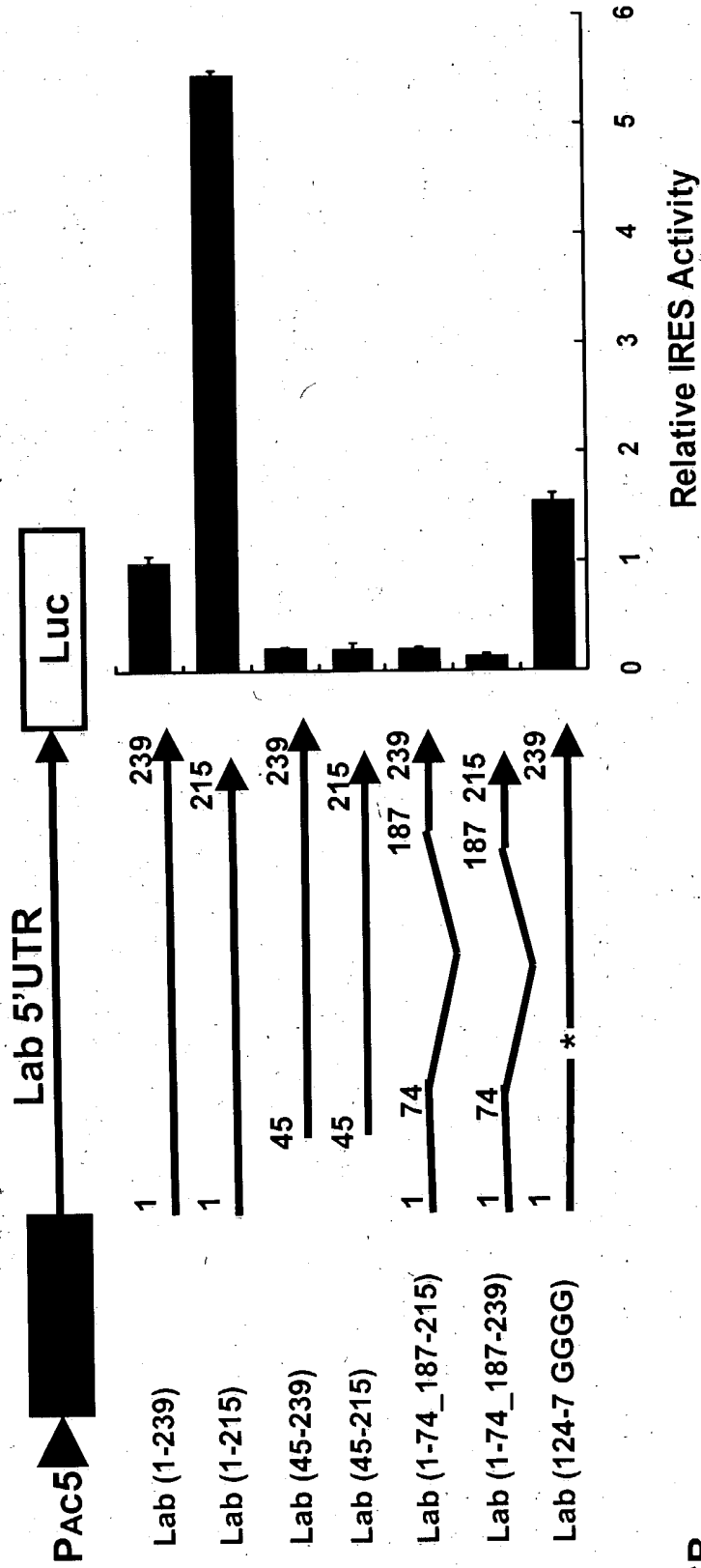
5A



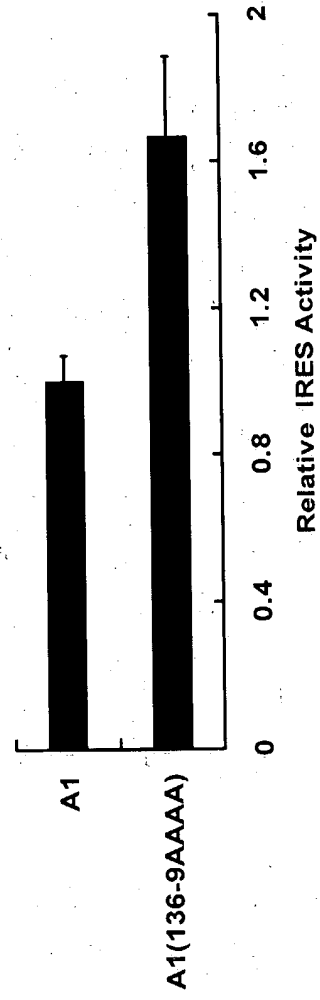
5B

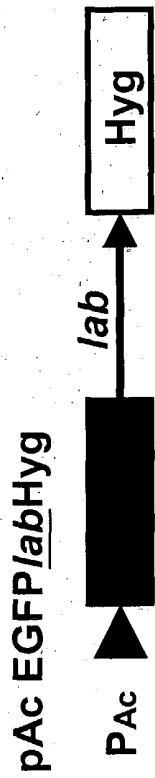


6A

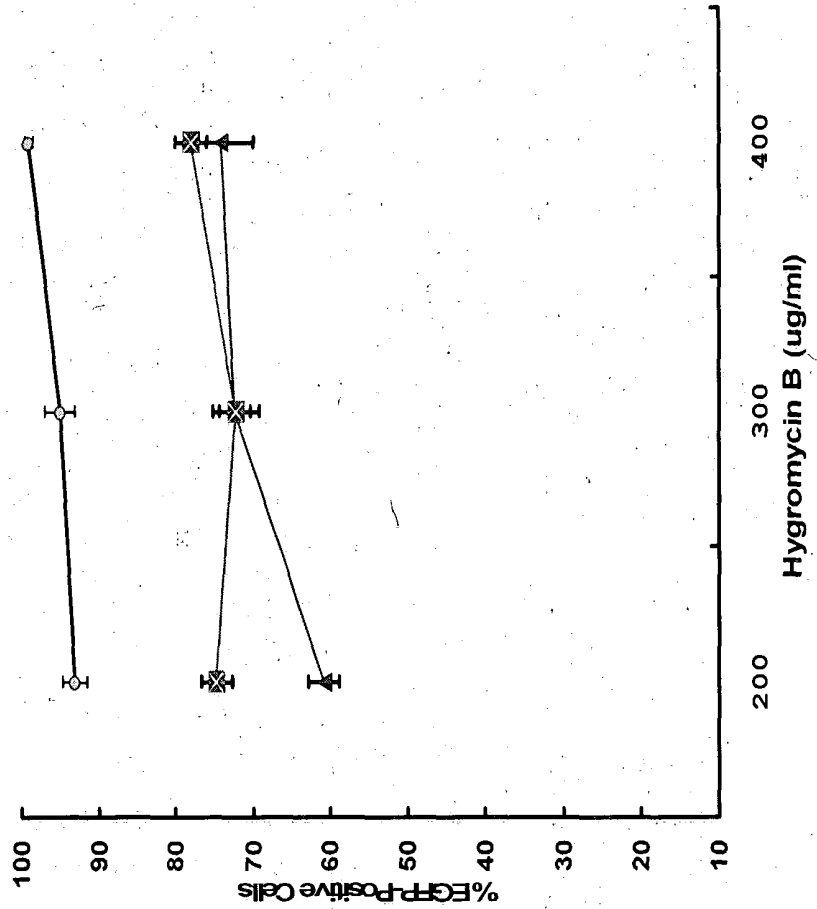


6B

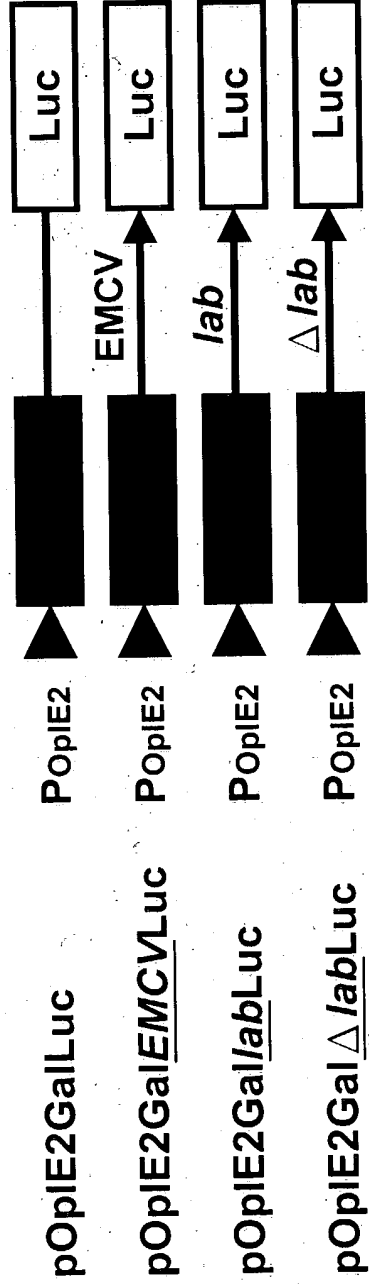




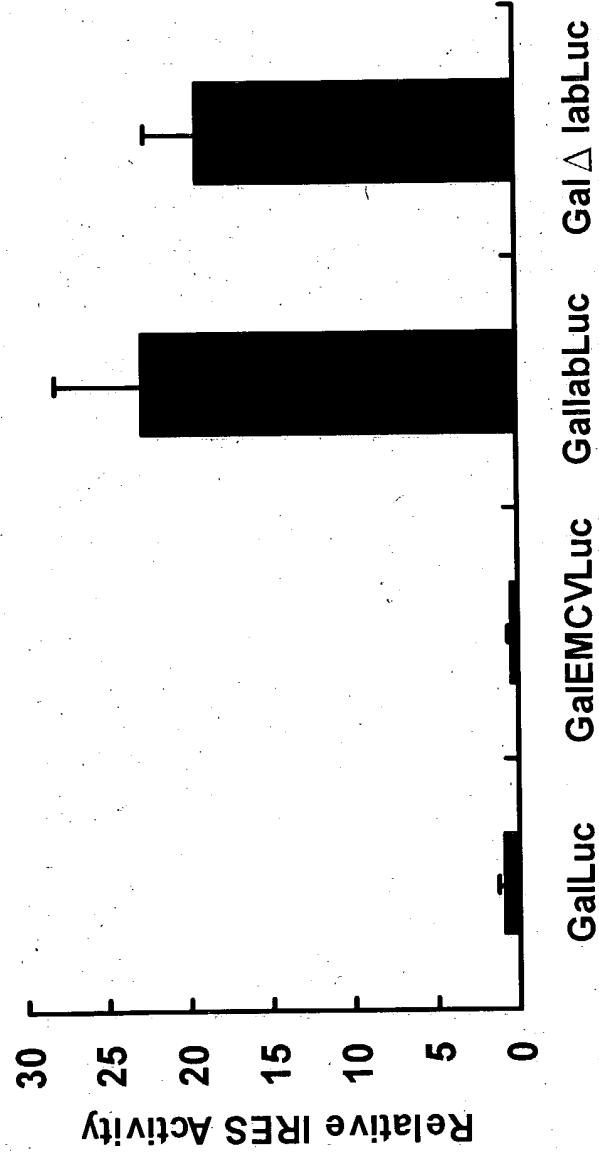
—○— EGFP/abHyg —▲— EGFP:Hyg (1:5) —⊠— EGFP:Hyg (1:40)



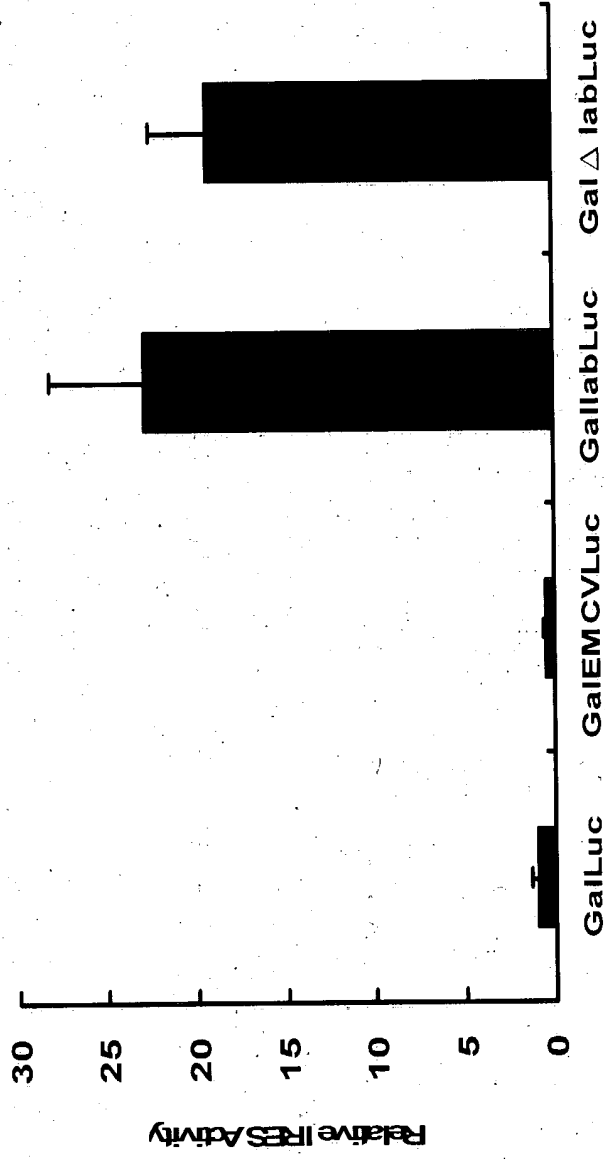
8A



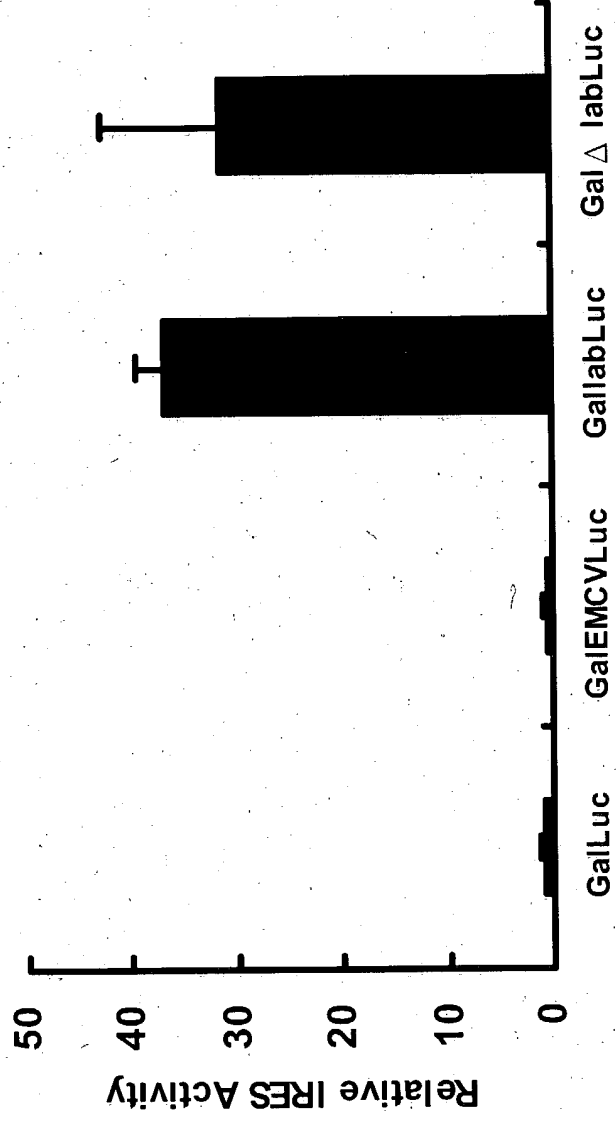
8B



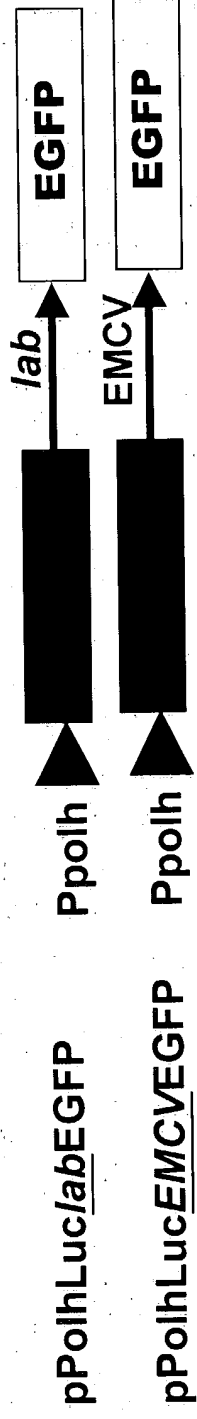
8C



8D



9A



9B

